# SCIENCE/TECHNOLOGY

## ADVANCE RESEARCH PROJECTS GRANTS - ARPA-E

**Description:**  Provides funding to the Department of Energy's Advanced Research Projects Agency (ARPA-E) to support high-risk and high-payoff research and to accelerate innovation for traditional and alternative energy sources.

**Funding Mechanism:**  Administered by the U.S. Department of Energy through a competitive grant program. Detailed program information and application materials are not yet available.

**Eligible Entities:**  Businesses    Individuals    Non-Profit Organizations    State Government
  Universities
**Responsibility for Implementation:**    Federal

**Federal Agency:**  Energy, Dept. of
**Federal Web Site:  http://www.energy.gov/sciencetech/index.htm**


## ADVANCED BATTERY MANUFACTURING LOANS AND GRANTS

**Description:**  Provides funding for the manufacture of advanced batteries and components, including advanced lithium ion batteries, hybrid electric systems, component manufacturers and software designers.

**Funding Mechanism:**  The U.S. Department of Energy will make competive loans and grants. Detailed program information and application materials are not yet available.

**Eligible Entities:**  Businesses    Individuals
**Responsibility for Implementation:**    Federal

**Federal Agency:**  Energy, Dept. of
**Federal Web Site:  http://www.doe.gov**

## BROADBAND TECHNOLOGY OPPORTUNITIES PROGRAM - Infrastructure Grants

**Description:** Provides funding to improve broadband service in underserved and unserved areas.

**Funding Mechanism:** This program is administered by the National Telecommunications and Information Agency (NTIA) under the U.S. Department of Commerce. Funding will be made available competitively as matching grants to eligible entities. Detailed program information and application materials are not yet available.

At the federal level, the Rural Utility Service, under the USDA, shares responsibility for broadband implementation with the NTIA and the Federal Communications Commission (FCC). These agencies are currently working to develop common approaches to implementation of broadband funding under the Recovery Act.

As the next step in this effort, USDA, NTIA and the FCC are hosting the first of several Public Meetings on March 10, 2009. In addition, the agencies will publish guidance in the Federal Register on how the public can provide input into the delivery of our programs. More information will be available on **http://www.recovery.gov**.

**Eligible Entities:** Businesses   Individuals   Local Government   Non-Profit Organizations   Other   State Government   Tribal Government   Universities
**Responsibility for Implementation:**   Federal

**Federal Agency:** Commerce, Dept. of
**Federal Contact Name:** National Telecommunications and Information Agency
**Federal Web Site:** **http://www.ntia.doc.gov/**


## BROADBAND TECHNOLOGY OPPORTUNITIES PROGRAM - Sustainable Adoption Grants

**Description:** Provides funding for innovative programs to encourage sustainable adoption of broadband service.

**Funding Mechanism:** This program is administered by the National Telecommunications and Information Agency (NTIA) under the U.S. Department of Commerce. Funding will be made available competitively as matching grants to eligible entities. Detailed program information and application materials are not yet available.

At the federal level, the Rural Utility Service, under the USDA, shares responsibility for broadband implementation with the NTIA and the Federal Communications Commission (FCC). These agencies are currently working to develop common approaches to implementation of broadband funding under the Recovery Act.  As the next step in this effort, USDA, NTIA and the FCC are hosting the first of several Public Meetings on March 10, 2009. In addition, the agencies will publish guidance in the Federal Register on how the public can provide input into the delivery of our programs. More information will be available on **http://www.recovery.gov**.

**Eligible Entities:** Businesses   Individuals   Local Government   Non-Profit Organizations   Other   State Government   Tribal Government
**Responsibility for Implementation:**   Federal

**Federal Agency:** Commerce, Dept. of
**Federal Contact Name:** National Telecommunications and Information Agency
**Federal Web Site:** **http://www.ntia.doc.gov/**

# BROADBAND TECHNOLOGY OPPORTUNITIES PROGRAM - Public Computing Centers

**Description:** Provides funding for public computer centers at community colleges and libraries.

**Funding Mechanism:** This program is administered by the National Telecommunications and Information Agency (NTIA) under the U.S. Department of Commerce. Funding will be made available competitively as matching grants to eligible entities. Detailed program information and application materials are not yet available.

At the federal level, the Rural Utility Service, under the USDA, shares responsibility for broadband implementation with the NTIA and the Federal Communications Commission (FCC). These agencies are currently working to develop common approaches to implementation of broadband funding under the Recovery Act.

As the next step in this effort, USDA, NTIA and the FCC are hosting the first of several Public Meetings on March 10, 2009. In addition, the agencies will publish guidance in the Federal Register on how the public can provide input into the delivery of our programs. More information will be available on **http://www.recovery.gov**.

**Eligible Entities:** Local Government    Schools or School Districts    State Government    Technical Colleges    Universities
**Responsibility for Implementation:**    Federal

**Federal Agency:** Commerce, Dept. of
**Federal Contact Name:** National Telecommunications and Information Agency
**Federal Web Site: http://www.ntia.doc.gov/**


# BROADBAND TECHNOLOGY OPPORTUNITIES PROGRAM - State Broadband Data and Development Grants

**Description:** Provides funding for developing and maintaining a statewide broadband inventory and map, as authorized in the Broadband Data Services Improvement Act (P.L. 110-385). State maps will be incorporated into a national broadband inventory within two years.

**Funding Mechanism:** Funding for this program will be distributed through competitive grants to state governments or to a single entity designated by a state government to complete a comprehensive map and inventory of broadband availability. Detailed program information and application materials are not yet available.  At the federal level, the Rural Utility Service, under the USDA, shares responsibility for broadband implementation with the NTIA and the Federal Communications Commission (FCC). These agencies are currently working to develop common approaches to implementation of broadband funding under the Recovery Act.  As the next step in this effort, USDA, NTIA and the FCC are hosting the first of several Public Meetings on March 10, 2009. In addition, the agencies will publish guidance in the Federal Register on how the public can provide input into the delivery of our programs. More information will be available on **http://www.recovery.gov**.

**Eligible Entities:** Businesses    Local Government    Non-Profit Organizations    State Government
**Responsibility for Implementation:**    State

**Federal Agency:** Commerce, Dept. of
**Federal Contact Name:** National Telecommunications and Information Agency
**Federal Web Site: http://www.ntia.doc.gov/**

## DISTANCE LEARNING, TELEMEDICINE & BROADBAND GRANTS

**Description:** Provides funding for broadband projects in rural areas. Priority is given to projects that benefit areas that do not have broadband service and that would result in more choices in providers for rural areas. Projects must be located in an areas where at least 75 percent of the area is without sufficient access to broadband service, as determined by the Secretary of Agriculture.

**Funding Mechanism:** This program is administered by USDA Rural Utilities Service through a competitive selection process. Detailed program information and application materials are not yet available.

At the federal level, Rural Utility Service, under the USDA, shares responsibility for broadband implementation with the NTIA and the Federal Communications Commission (FCC). These agencies are currently working to develop common approaches to implementation of broadband funding under the Recovery Act.

As the next step in this effort, USDA, NTIA and the FCC are hosting the first of several Public Meetings on March 10, 2009. In addition, the agencies will publish guidance in the Federal Register on how the public can provide input into the delivery of our programs. More information will be available on **http://www.recovery.gov**.

**Eligible Entities:** Businesses    Individuals    Local Government    Non-Profit Organizations    State Government    Tribal Government
**Responsibility for Implementation:**    Federal

**Federal Agency:**  Agriculture, Dept. of
**Federal Contact Name:**  Rural Utilities Service
**Federal Web Site:  http://www.usda.gov/rus/**


## NATIONAL SCIENCE FOUNDATION - Energy Efficiency Demonstration and Research

**Description:**  Provides funding for research related to improvements in energy efficiency, transmission, regulation and storage of electricity for use on military installations, including research on renewables.

**Funding Mechanism:**  NSF will provide competitive grants for eligible projects. Detailed program information and application materials are not yet available.

**Eligible Entities:**  Businesses    Individuals    State Government    Universities
**Responsibility for Implementation:**    Federal

**Federal Agency:**  National Science Foundation
**Federal Web Site:  http://www.nsf.gov/funding/**

## NATIONAL SCIENCE FOUNDATION - Research and Related Activities

**Description:** Provides funding for fundamental science and engineering research that advances discovery and spurs innovation.

**Funding Mechanism:** NSF will distribute funding through competitive grants. Within this amount, $300,000,000 shall be available solely for the major research instrumentation program and $200,000,000 shall be available for activities authorized by title II of Public Law 100-570 for academic facilities modernization.

**Eligible Entities:** Businesses  Individuals  Other  State Government  Universities
**Responsibility for Implementation:**  Federal

**Federal Agency:** National Science Foundation
**Federal Web Site:** http://www.nsf.gov/funding/


## NATIONAL SCIENCE FOUNDATION - Major Research Equipment and Facilities

**Description:** Provides funding for the construction and development of major research facilities.

**Funding Mechanism:** Funding will be used for previously approved investments that are nearing completion of design review to accelerate the construction and development of facilities.

**Eligible Entities:**  Other
**Responsibility for Implementation:**  Federal

**Federal Agency:** National Science Foundation
**Federal Web Site:** http://www.nsf.gov/funding/


## NATIONAL SCIENCE FOUNDATION - Research and Related Activities - Instrumentation Program

**Description:** Provides funding for research and related activities, specifically for the major research instrumentation program. In allocating the resources provided under this heading, the conferees direct that NSF support all research divisions and support advancements in supercomputing technology.

**Responsibility for Implementation:**  Federal

**Federal Agency:** National Science Foundation
**Federal Web Site:** http://www.nsf.gov/funding/

**NATIONAL SCIENCE FOUNDATION - Research and Related Activities - Academic Facilities Modernization**

**Description:** Provides funding for research and related activities, specifically for activities authorized by title II of Public Law 100-570 for academic facilities modernization.

**Eligible Entities:** Universities
**Responsibility for Implementation:** Federal

**Federal Agency:** National Science Foundation
**Federal Web Site:** **http://www.nsf.gov/funding/**